

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-68
Relating to Certification of New Motor Vehicles

AMERICAN MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1983 model-year American Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks.

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| DAM151T2FCA4 | 151 (2.5) | Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

| <u>Equivalent Inertia Weight</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|--|---|---|
| 0-3999 | 0.39 | 9.0 | 1.0 |

The following are the certification emission values for this engine family:

| <u>Equivalent Inertia Weight</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|--|---|---|
| 0-3999 | 0.28 | 4.9 | 0.9 |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.


BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 27th day of July, 1982.


K. D. Drachand, Chief
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation Executive Order No. A-17-68
 Engine Family DAM151T2FCA4 Evaporative Family DT-151A-1S
 DT-151C-1P
 Engine CID (Liters) 151 (2.5)

ABBREVIATIONS:

Ignition System

CA - Centrifugal Advance
 EEC - Electronic Engine Control
 EI - Electronic Ignition
 ESAC - Electronic Spark Advance Control
 VA - Vacuum Advance
 VR - Vacuum Retard

Exhaust Emissions Control System

AIP - Air Injection-Pump
 AIV - Air Injection-Valve
 CL - Closed Loop
 EGR - Exhaust Gas Recirculation
 EM - Engine Modification
 OC - Oxidation Catalyst System
 TR - Thermal Reactor
 TWC - Three-Way Catalyst System

Fuel System

CFI, CL, DID DIP, EFI, MFI
 nV - nVenturi Carburetor
 VV - Variable Venturi

Special Features

CCV - Combustion Chamber Valve
 CFI - Central Fuel Injection
 DID - Diesel Injection-Direct
 DIP - Diesel Injection-Prechamber
 MFI - Mechanical Fuel Injection
 TC - Turbocharged

MODELS:

BODY CODE:

Eagle Sedan
 Eagle Wagon
 Eagle SX/4
 Post Office

35
 38
 53
 DJ5L

MODELS:

BODY CODE:

Jeep CJ-5
 Jeep CJ-7
 Jeep Scrambler

85
 87
 88

DRIVE SYSTEM:

Front Engine - Transmission - Transfer Case - Front and Rear Axle
(All Except DJ5L)

Front Engine - Transmission - Rear Axle Drive (DJ5L)

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars___ Light-Duty Trucks X Medium-Duty Vehicles___ Gas X Diesel___Manufacturer American Motors Corporation E.O. No. A-17-68Engine Family DAM151T2FCA4 CID (Liter) Type 151 (2.5) I-4ECS (Special Features) EGS(CL) + EGR + TWC

| Engine Code | Vehicle Models (If Coded See Attachment) | Trans | Ignition System Part No. | Fuel System Part No. | EGR Valve Part No. | Label Ident. Part No. |
|-------------|---|----------|-----------------------------|-------------------------|-----------------------|--|
| 1M1 | 35,38,53,85,87,88 | M4 M5 | 1103527 | 8933000601 | 3237108 | 8933000398 8953001063 8953001064 |
| 1A1 | DJ5L | A3 | | 8933000475 | 3242107 | 8953001054 |
| 1M2 | 35,38,53 | M4 M5 | | 8933000601 | 3237108 | 8933000932 |
| 1A2 | 53 | A3 | | 8933000475 | 3242107 | 8933000396 |
| 1A3 | 53 | A3 | | 8933000475 | 3242107 | 8933000397 |
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Comments: _____

(See Page 1 for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.)

Note: Add 10% to dyno test HP for air conditioning usage.

Date of Issue:

Revised:

011981

3539G/2